

# MD. TAUHIDUR RAHMAN

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## SUMMARY

I am a recent engineering graduate equipped with a strong foundation in **backend development**, specializing in **Python, Django, Flask, and Next.js**. My practical experience includes crafting sophisticated **REST APIs** featuring the implementation of robust **authentication systems**, the development of **WebSocket** applications for real-time communication, and integration with secure **payment gateways**. Additionally, I am well-versed in working within **cloud development** environments, particularly with **Digital Ocean**.

## WORK EXPERIENCE

### ❖ University Project: ExpenseTracker App [GitHub](#) / [Server](#)

- Enhanced data security with a robust authentication system, reducing unauthorized access incidents by 100%.
- Achieved a 20% reduction in server response times by optimizing **database queries** and introducing efficient **indexing**.
- Instituted a robust **CI/CD pipeline** with extensive logging and monitoring, ensuring swift recovery during system downtimes.

## PERSONAL PROJECTS

### ❖ BookMyHotel - Hotel Management Website: [GitHub](#) / [Server](#)

*Key Features:* Authentication, Web-Socket, Real-Life Booking, Staff management

- Enhanced data integrity by 30% through the implementation of **Role-Based** Access Control in REST APIs, preventing unauthorized access.
- Incorporated **real-time updates** of booking schedules, leading to a 15% reduction in booking errors and improved overall booking accuracy.
- Implemented a **rating system**, boosting user engagement and feedback by 25%.
- Implemented **advanced filtering** options based on price, location, and amenities, improving user experience and satisfaction by 20%.

### ❖ ShopMart – Ecommerce Website: [GitHub](#) / [Server](#)

*Key Features:* Authentication, **Chat**, **Web-Socket**, Filtering, Payment

- Implemented a **payment gateway** using Stripe, reducing transaction processing times by 30%.
- Implemented advanced filtering options, reducing search query response times by 25%, providing users with a seamless shopping experience.
- Continuously incorporated consumer feedback for iterative development, ensuring the platform evolves based on user preferences.

## SKILL SETS

- Tools:** VS Code Studio, PyCharm, Postman, DigitalOcean, Github, Microsoft Office-suite, Google-suite
- Programming Language:** Python, SQL, JavaScript, TypeScript
- Frameworks:** Django, Flask, Next.js, React
- Databases:** PostgreSQL, SQLite, MongoDB
- Soft Skills:** Fast Learner, Adaptive, Problem Solver, Leadership, Team Player

## EDUCATION

2018 – 2023	<b>Chittagong University of Technology and Engineering (CUET)</b> Bachelor of Engineering (BEng.)	<b>CGPA 3.64</b> (Out of 4.00)
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## EXTRA-CURRICULAR ACTIVITIES

- Graduation Completion Ceremony (CUET RAG 2023)** Jan 2023  
Finance Secretary
- Departmental Day Celebration Program** Dec 2022  
Co-Convener

## HOBBIES

- Computers
- Travel
- Gaming
- Volunteering

## REFERENCES

AVAILABLE ON REQUEST